Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/19/2021 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	121162	-4	3.66	121036	3.60
Blue	F	SSC	125000	122224	-3	4.15	122654	3.97
Blue	E	FITC	13131	12379	-6	4.32	285	16.31
Blue	D	PE	24112	23165	-4	4.08	530	11.56
Blue	B	PerCP-Cy5-5	31295	29703	-6	4.79	981	15.30
Blue	A	PE-Cy7	19939	19134	-5	6.84	510	30.23
Red	C	APC	42122	41621	-2	2.92	1750	11.28
Red	A	APC-Cy7	22340	21586	-4	3.23	810	11.73
Violet	B	V450	7410	6959	-7	4.35	422	13.19
Violet	A	V500	28118	26683	-6	3.97	666	10.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22382	3.27	566	-3	N/A	N/A	Pass
Blue	F	SSC	56363	3.46	518	6	N/A	N/A	Pass
Blue	E	FITC	52	56.10	485	-2	0.0403	115	Pass
Blue	D	PE	111	38.02	488	0	0.3973	304	Pass
Blue	B	PerCP-Cy5-5	182	37.06	584	-2	0.0190	72	Pass
Blue	A	PE-Cy7	101	71.00	628	0	0.0209	3	Pass
Red	C	APC	403	23.58	576	0	0.0283	161	Pass
Red	A	APC-Cy7	181	27.23	551	0	0.0060	769	Pass
Violet	B	V450	59	65.58	452	-1	0.0548	2170	Pass
Violet	A	V500	96	33.14	464	-1	0.0229	496	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.58	-31.28	1.14
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.80	13.60 - 20.40	N/A	N/A	29.62	29.90	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 14366

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments